

Construction Drawings

An architect or engineer usually prepares construction drawings for commercial projects. However, for home improvement projects the homeowner may prepare drawings, or have a friend or family member prepare them. An architect or drafting service may also prepare construction drawings for residential improvements. If a contractor is used for home improvements, they may prepare the required drawings as part of their service. Regardless of who prepares these documents, all drawings must be detailed, accurate, neat and complete. (Scale: $\frac{1}{4}'' = 1'$)

The purpose of preparing and submitting a complete set of detailed, accurate and neat construction drawings is to:

- Help the homeowner envision how all parts of the project fit together
- Assist in the planning and estimating of the costs for each phase of the project
- Prevent unpleasant surprises and last minute changes during the construction
- Provide the contractor, if one is used, with clear instructions regarding the required layout, materials and the expected finished product
- Provide written and graphic documentation of the project for future reference
- Enable the Building Codes Division to perform a faster and more thorough plan review
- Enable the Building Codes Division to provide better service by identifying potential code problems and recommending solutions.

Based on the specific project, some or all of the following information may be required:

Site Plan	Elevations
Cross Section	Details
Floor Plan	Electrical Plan
Roof Framing Plan	Plumbing Plan/ Isometric
Floor Framing Plan	Gas Pipe Plan/ Isometric
Foundation Plan	Mechanical Plan
Engineering Calculations	Electrical Load Calculations
Plumbing Fixture Count	Septic or Sewer System Permit
Electrical Panel Schedule	Electrical Service Diagram